

Listing of Claims:

This listing of claims reflects all claim amendments and replaces all prior versions, and listings, of claims in the application (material to be inserted is in **bold and underline**, and material to be deleted is in ~~strikeout~~ or (if the deletion is of five or fewer consecutive characters or would be difficult to see) in double brackets [[]].

1-43. (Canceled)

44. (Previously presented) An apparatus comprising:

a frame conversion unit to convert frames of analog image data to frames of digital image data;

a buffer coupled with the frame conversion to store the frame of digital image data and subsequent converted frames;

a pixel value comparator coupled with the buffer to compare pixel data of the frame of digital image data and pixel data from the subsequent converted frame to compare and identify a subsequent converted frame having pixel data that differs from the pixel data of the frame of digital image data by a threshold amount;

a capture switch configured to be set to on when the subsequent converted frame pixel data exceeds the threshold amount and where the capture switch is configured to be set to off when the subsequent converted frame pixel data is below the threshold amount;

a microcontroller configured to capture the subsequent converted frame with pixel data that exceeds the threshold amount for storage and display by a display object.

45. (Previously presented) The apparatus of claim 44 wherein the threshold amount is selected to maintain phase noise below a threshold.

46. (Previously presented) The apparatus of claim 44 wherein the pixel value comparator is configured to compare a numerical value for each color of each pixel.

47. (Previously presented) The apparatus of claim 44 wherein the pixel value comparator is configured to identify a subsequent converted frame where a numerical difference between the values of each color of the subsequent converted frame and the values of each color of the frame of digital image data exceeds a selected numerical value.

48. (Previously presented) The apparatus of claim 46 wherein the color for each pixel comprises red, green, and blue.